

## ABSTRACT

A gateway device is disclosed which processes only really necessary information for gatewaying and thereby prevents unnecessary increases in communication traffic on a communication bus to which data is sent through the gatewaying. When it is judged that the contents of received data concern a command that does not need gatewaying, the processing for gatewaying is inhibited. When it is judged that the contents of the received data show information that should be processed for gatewaying only when there is a change in the contents, the contents are compared with the latest contents of the same kind of information stored in a memory, to determine whether there is a change in the contents, and the processing for gatewaying is inhibited when it is determined that there is no change.

PCT

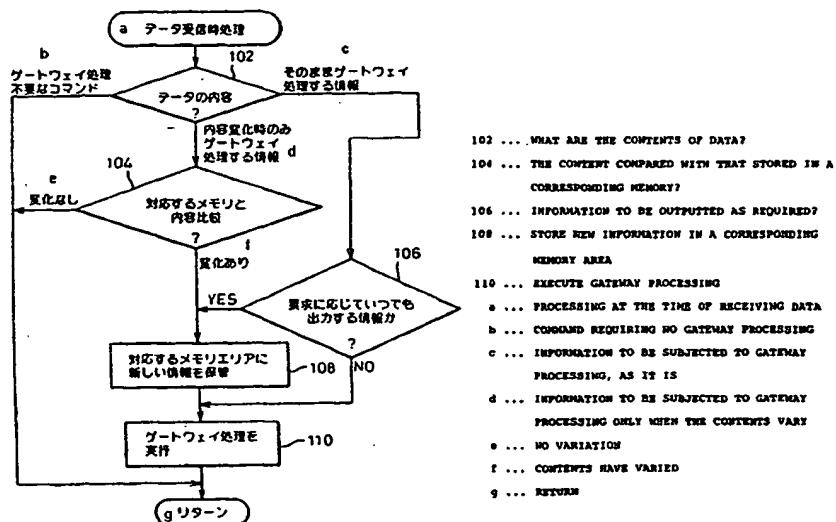
世界知的所有権機関  
国際事務局  
特許協力条約に基づいて公開された国際出願



(51) 国際特許分類6 H04L 12/28	A1	(11) 国際公開番号 <b>WO99/22494</b>
		(43) 国際公開日 1999年5月6日(06.05.99)
(21) 国際出願番号 PCT/JP98/04702		(81) 指定国 JP, US, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(22) 国際出願日 1998年10月19日(19.10.98)		添付公開書類 国際調査報告書
(30) 優先権データ 特願平9/292909 1997年10月24日(24.10.97) JP		
(71) 出願人 (米国を除くすべての指定国について) 富士通テン株式会社(FUJITSU TEN LIMITED)[JP/JP] 〒652-8510 兵庫県神戸市兵庫区御所通1丁目2番28号 Hyogo, (JP)		
(72) 発明者 ; および (75) 発明者／出願人 (米国についてのみ) 山脇利夫(YAMAWAKI, Toshio)[JP/JP] 〒658-0081 兵庫県神戸市東灘区田中町3丁目15番5-205号 Hyogo, (JP)		
(74) 代理人 弁理士 石田 敏, 外(ISHIDA, Takashi et al.) 〒105-8423 東京都港区虎ノ門三丁目5番1号 虎ノ門37森ビル 青和特許法律事務所 Tokyo, (JP)		

(54) Title: COMMUNICATION GATEWAY

## (54) 発明の名称 通信ゲートウェイ装置



## (57) Abstract

A gateway for avoiding unnecessary increase of communication traffic through a communication bus on the side to which data is sent by subjecting only the actually required information to gateway processing. If it is judged that the contents of the received data relate to a command requiring no gateway processing, the gateway processing is inhibited. If it is judged that the contents of the received data represent information to be subjected to gateway processing only when the contents vary, comparison is made with the latest contents of the same kind of information stored in a memory, and it is judged whether or not the contents do not vary. If the contents are judged to have varied the